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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : C12Q 1/68, A70, C07H 21/04, C12P 19/34		A1	(11) International Publication Number: WO 97/29212
(21) International Application Number: PCT/US97/02102		(22) International Filing Date: 7 February 1997 (07.02.97)	(72) Inventors; and (75) Inventors/Applicants (for US only): GINGERAS, Thomas, A. [US/US]; 1528 Juniper Hill Drive, Encinitas, CA 92024 (US). MACK, David [US/US]; 2076 Monterey Avenue, Menlo Park, CA 94025 (US). CHEE, Mark, S. [AU/US]; 3199 Waverly Street, Palo Alto, CA 94306 (US). BERNO, Anthony, J. [CA/US]; 570 South 12th Street, San Jose, CA 95112 (US). STRYER, Lubert [US/US]; 843 Sonoma Terrace, Stanford, CA 94035 (US). GHANDOUR, Ghassan [US/US]; 73 Palmer Lane, Alberton, CA 94027 (US). WANG, Ching [US/US]; 843 Cape Kennedy Drive, San Jose, CA 95133 (US).
(30) Priority Data: 60/011,339 8 February 1996 (08.02.96) US 60/012,631 1 March 1996 (01.03.96) US 08/629,031 8 April 1996 (08.04.96) US 60/017,765 15 May 1996 (15.05.96) US		(60) Parent Applications or Grants (63) Related by Continuation US 60/017,765 (CIP) Filed on 15 May 1996 (15.05.96) US 08/629,031 (CIP) Filed on 8 April 1996 (08.04.96) US 60/012,631 (CIP) Filed on 1 March 1996 (01.03.96) US 60/011,339 (CIP) Filed on 8 February 1996 (08.02.96)	(74) Agents: FITTS, Renée, A. et al.; Townsend and Townsend and Crew L.L.P., 8th floor, Two Embarcadero Center, San Francisco, CA 94111-3834 (US).
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(54) Title: CHIP-BASED SPECIATION AND PHENOTYPIC CHARACTERIZATION OF MICROORGANISMS			
(57) Abstract This invention provides oligonucleotide-based arrays and methods for speciating and phenotyping organisms, for example, using oligonucleotide sequences based on the <i>Mycobacterium tuberculosis rpoB</i> gene. The groups or species to which an organism belongs may be determined by comparing hybridization patterns of target nucleic acid from the organism to hybridization patterns in a database.			